Jamieson T. Olsen

Engineering Note

Date: 10 August 2000
Rev Date: 15 October 2002

Project: CAE Software
Doc. No: 2000-08-10a1

Subject: Xilinx ISE Foundation 5.1i installation instructions

Before you install Xilinx ISE Foundation 5.1 software on your NT workstation make sure the following conditions are met:

- **You're logged into an FNAL domain NT account.**

- **You have administrator privileges on your PC for that FNAL account.**

1. If you have any previous versions of Xilinx software on your PC, uninstall it prior to installing the new version. Uninstalling your old Foundation 3.x or 4.x shouldn't affect your project files, but it would be a good idea to archive them just to be safe.

2. Open up Explorer (file manager) and select "Map Network Drive…" from the Tools menu.

3. Select an unused drive letter (i.e. X) , and set the directory to
   `\\Ppdserver\Eed.ppd\Project\Escad\Install Area\Xilinx\`

4. Select Finish.

5. In notepad (or another text editor) open the file X:\V5_xx\Foundation\Registration ID_ISE_5.1i.txt Write down the foundation registration ID number (format is xxxx-xxxx-xxxx). You'll be asked for this number during the install process.

6. Run **X:\Xilinx\v5_xx\Foundation\ISE_FND_5.1i_PC_1\Setup.exe** to install the ISE software disc 1.

7. When asked for the registration ID, enter the number you wrote down in step 5.

8. Follow the menus to do a Typical installation.

9. Run **X:\Xilinx\v5_xx\Foundation\ISE_FND_5.1i_PC_2\Setup.exe** to install the ISE software disc 2.

10. Follow the menus to do a Typical installation. You'll have to reboot after this installation.

11. Find the latest service pack in the **X:\Xilinx\v5_xx\ServicePack** directory. Run the EXE file to install it.

12. Go to explorer and select "Disconnect Network Drive…" from the Tools menu. Disconnect the X: drive.

Note: Xilinx ISE software **no longer supports Synopsys FPGA Express** VHDL synthesis tool. Xilinx ISE is now bundled with the XST synthesis tool. The latest version of XST yields very good results if the VHDL is written plainly and is not too abstract. XST can be run from the command line and is completely scriptable for batch compiles (recommended).

This software is basically un-licensed. It does not require any special environment variables to connect to an **LM_LICENSE** server or anything like that.